

Contents of *Aquatic Botany*, Volume 69

VOL. 69 NO. 1

JANUARY 2001

Do submersed plants enhance microbial activity in sediment? H. Karjalainen, G. Stefansdottir, L. Tuominen and T. Kairesalo (Lahti, Finland)	1
Primary colonisation of mudflat estuaries by <i>Spartina maritima</i> (Curtis) Fernald in Northwest Spain: vegetation structure and sediment accretion J.M. Sánchez (Pontevedra, Spain), D.G. SanLeon and J. Izco (Santiago, Spain)	15
Biomechanical properties of the reproductive shoots of eelgrass M.R. Patterson, M.C. Harwell, L.M. Orth and R.J. Orth (Gloucester Point, VA, USA)	27
Measuring production of <i>Halodule wrightii</i> : additional evidence suggests clipping underestimates growth rate J. Hauxwell (Woods Hole, MA, USA), J. Cebrián (Dauphin Island, AL, USA), J.A. Herrera-Silveira, J. Ramírez R., A. Zaldivar J., N. Gomez and N. Aranda-Cirerol (Mérida, Mexico)	41
A buffer sensitive inorganic carbon utilisation system in <i>Zostera marina</i> F. Hellblom (Stockholm, Sweden), S. Beer (Tel Aviv, Israel), M. Björk (Stockholm, Sweden) and L. Axelsson (Fiskebäckskil, Sweden)	55
Relationships between sediment physico-chemical characteristics and heavy metal bioaccumulation in Mediterranean soft-bottom macrophytes C. Sanchiz, A.M. García-Carrascosa and A. Pastor (València, Spain)	63
Book review	75
Guide for Author	81

VOL. 69 NOS. 2–4

APRIL 2001

Editorial – Introduction: <i>Phragmites</i> -dominated wetlands, their functions and sustainable use H. Brix (Risskov, Denmark) and H. Čížková (Třeboň, Czech Republic)	87
Geographic variation in growth responses in <i>Phragmites australis</i> O.A. Clevering (Heteren, The Netherlands), H. Brix (Risskov, Denmark) and J. Lukavská (Třeboň, Czech Republic)	89
Effect of climatic gradients on the photosynthetic responses of four <i>Phragmites</i> <i>australis</i> populations J.M. Lessmann, H. Brix (Risskov, Denmark), V. Bauer (Třeboň, Czech Republic), O.A. Clevering (Heteren, The Netherlands) and F.A. Comín (Barcelona, Spain)	109
Phenotypic plasticity in <i>Phragmites australis</i> as a functional response to water depth V. Vretare, S.E.B. Weisner, J.A. Strand and W. Granéli (Lund, Sweden)	127

Effects of submergence on the growth of <i>Phragmites australis</i> seedlings A. Mauchamp (Arles, France), S. Blanch (Sydney, Australia) and P. Grillas (Arles, France)	147
Differences in photorespiration, glutamine synthetase and polyamines between fragmented and closed stands of <i>Phragmites australis</i> L. Erdei, F. Horváth, I. Tari, A. Pécsvárad, Z. Szegletes (Szeged, Hungary) and S. Dulai (Eger, Hungary)	165
Effect of eutrophication on culm architecture of lakeshore <i>Phragmites</i> reeds W. Ostendorp, E. Tiedge (Konstanz, Germany) and S. Hille (Greifswald, Germany)	177
Effects of NaCl-salinity on amino acid and carbohydrate contents of <i>Phragmites australis</i> T. Hartzendorf (Berlin, Germany) and H. Rolletschek (Gatersleben, Germany)	195
Low levels of reserve carbohydrates in reed (<i>Phragmites australis</i>) stands of Kis-Balaton, Hungary H. Čížková (Třeboň, Czech Republic), V. Istvánovics (Budapest, Hungary), V. Bauer (Třeboň, Czech Republic) and L. Balázs (Budapest, Hungary)	209
Decomposition processes in soil of a healthy and a declining <i>Phragmites australis</i> stand H. Šantrůčková, T. Pícek, M. Šimek (České Budějovice, Czech Republic), V. Bauer, J. Kopecký, L. Pechar, J. Lukavská and H. Čížková (Třeboň, Czech Republic)	217
Chemical characteristics of soils and pore waters of three wetland sites dominated by <i>Phragmites australis</i> : relation to vegetation composition and reed performance H. Čížková (Třeboň, Czech Republic), L. Pechar (Třeboň, Czech Republic and České Budějovice, Czech Republic), Š. Husák (Třeboň, Czech Republic), J. Květ (Třeboň, Czech Republic and České Budějovice, Czech Republic), V. Bauer, J. Radová (Třeboň, Czech Republic) and K. Edwards (Lake Charles, LA, USA)	235
An overview of the effects of phytotoxins on <i>Phragmites australis</i> in relation to die-back J. Armstrong and W. Armstrong (Hull, UK)	251
A modelling approach to the analysis of pressure-flow in <i>Phragmites</i> stands P.M. Beckett, W. Armstrong and J. Armstrong (Hull, UK)	269
Mathematical modelling of methane transport by <i>Phragmites</i> : the potential for diffusion within the roots and rhizosphere P.M. Beckett, W. Armstrong and J. Armstrong (Hull, UK)	293
Are <i>Phragmites</i> -dominated wetlands a net source or net sink of greenhouse gases? H. Brix (Risskov, Denmark), B.K. Sorrell (Christchurch, New Zealand) and B. Lorenzen (Risskov, Denmark)	313
Mass loss, fungal colonisation and nutrient dynamics of <i>Phragmites australis</i> leaves during senescence and early aerial decay M.O. Gessner (Kastanienbaum, Switzerland)	325
<i>Phragmites</i> use by Native North Americans E. Kiviat and E. Hamilton (Annandale, NY, USA)	341
Short Communication	
Photosynthetic pigments and efficiencies of two <i>Phragmites australis</i> stands in different nitrogen availabilities I. Lippert (Berlin, Germany), H. Rolletschek (Gatersleben, Germany) and J.-G. Kohl (Berlin, Germany)	359
Publishers Acknowledgement	367
Contents of Volume 69	369

